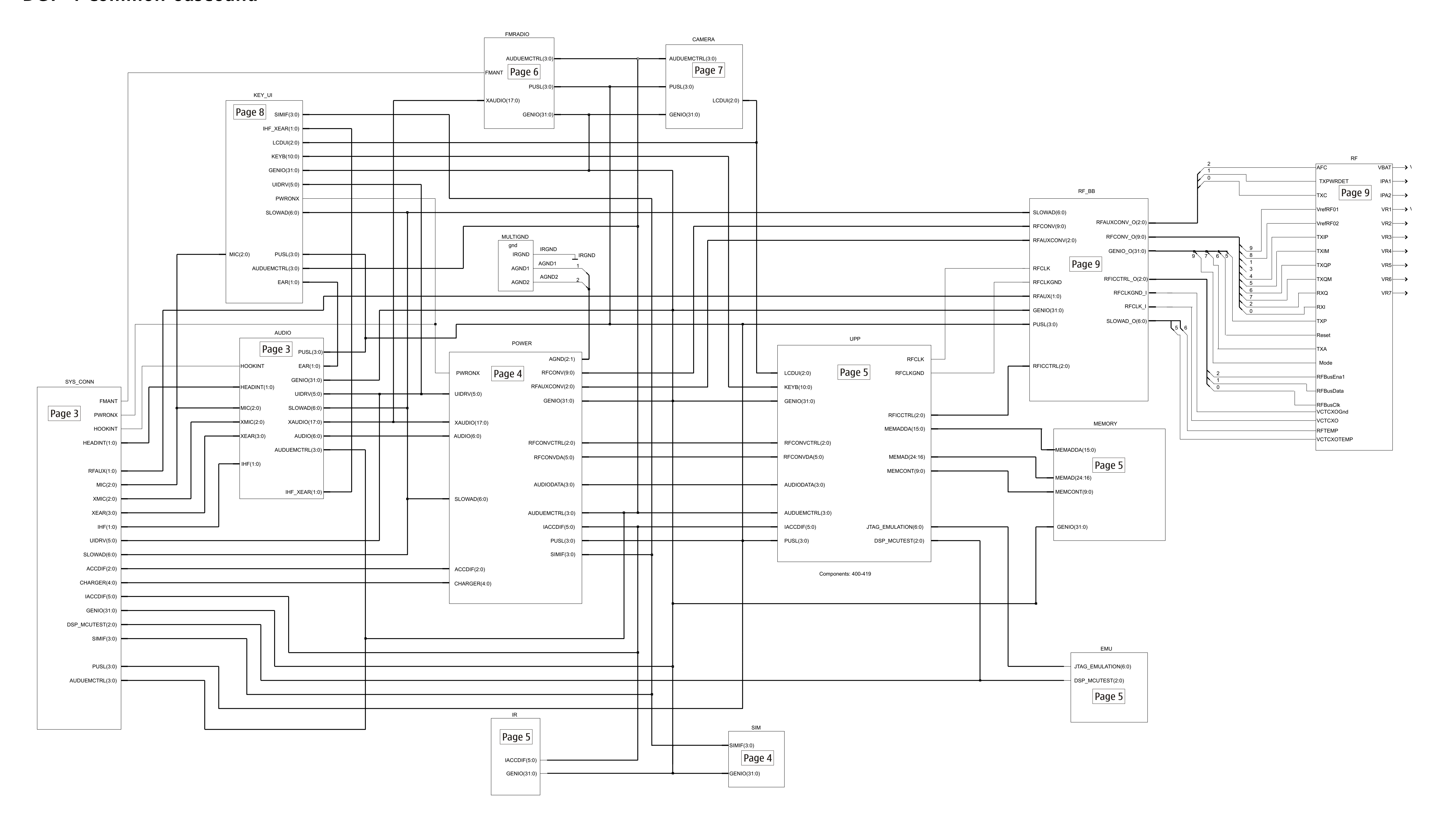
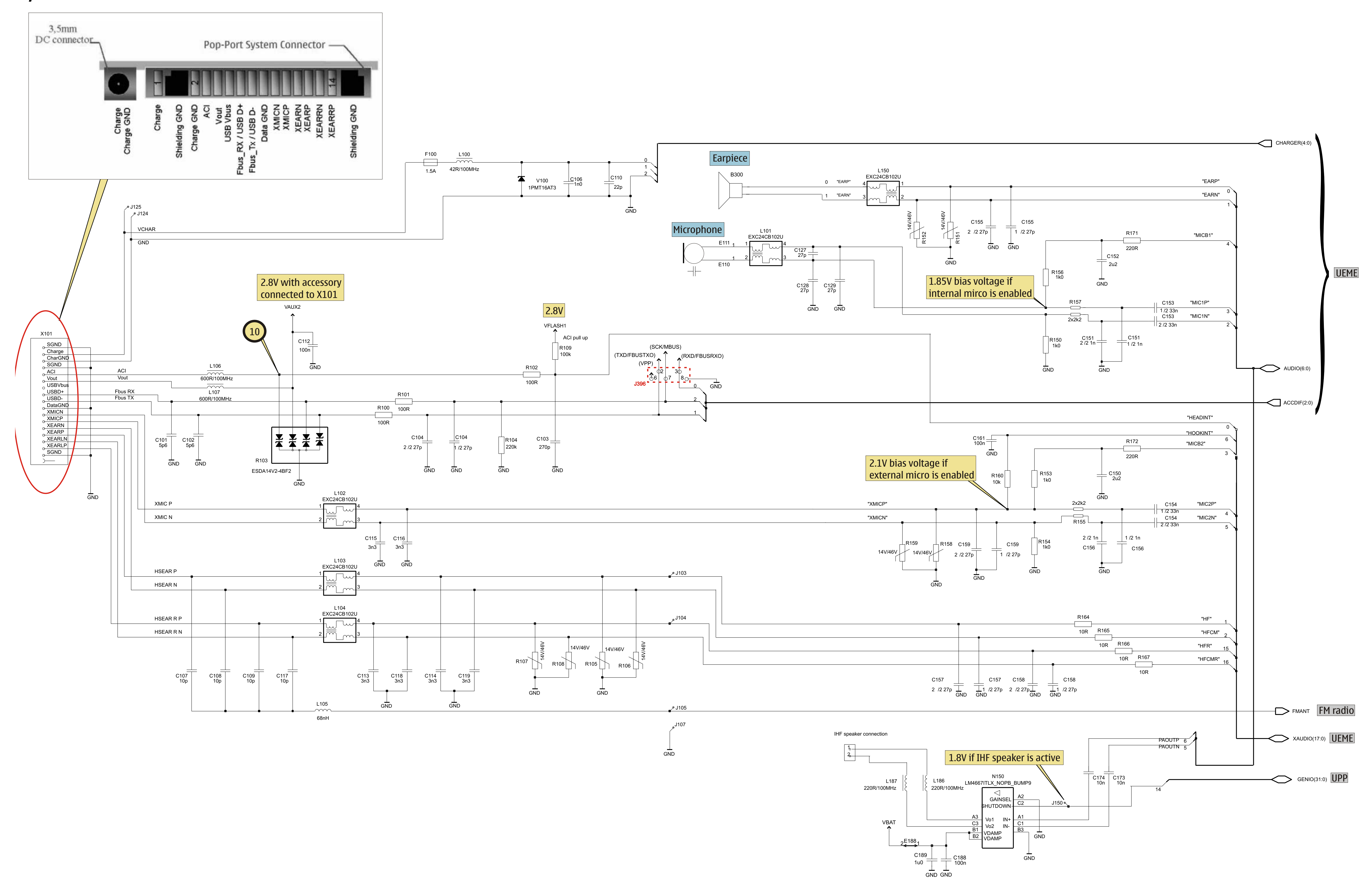
# DCT-4 common baseband

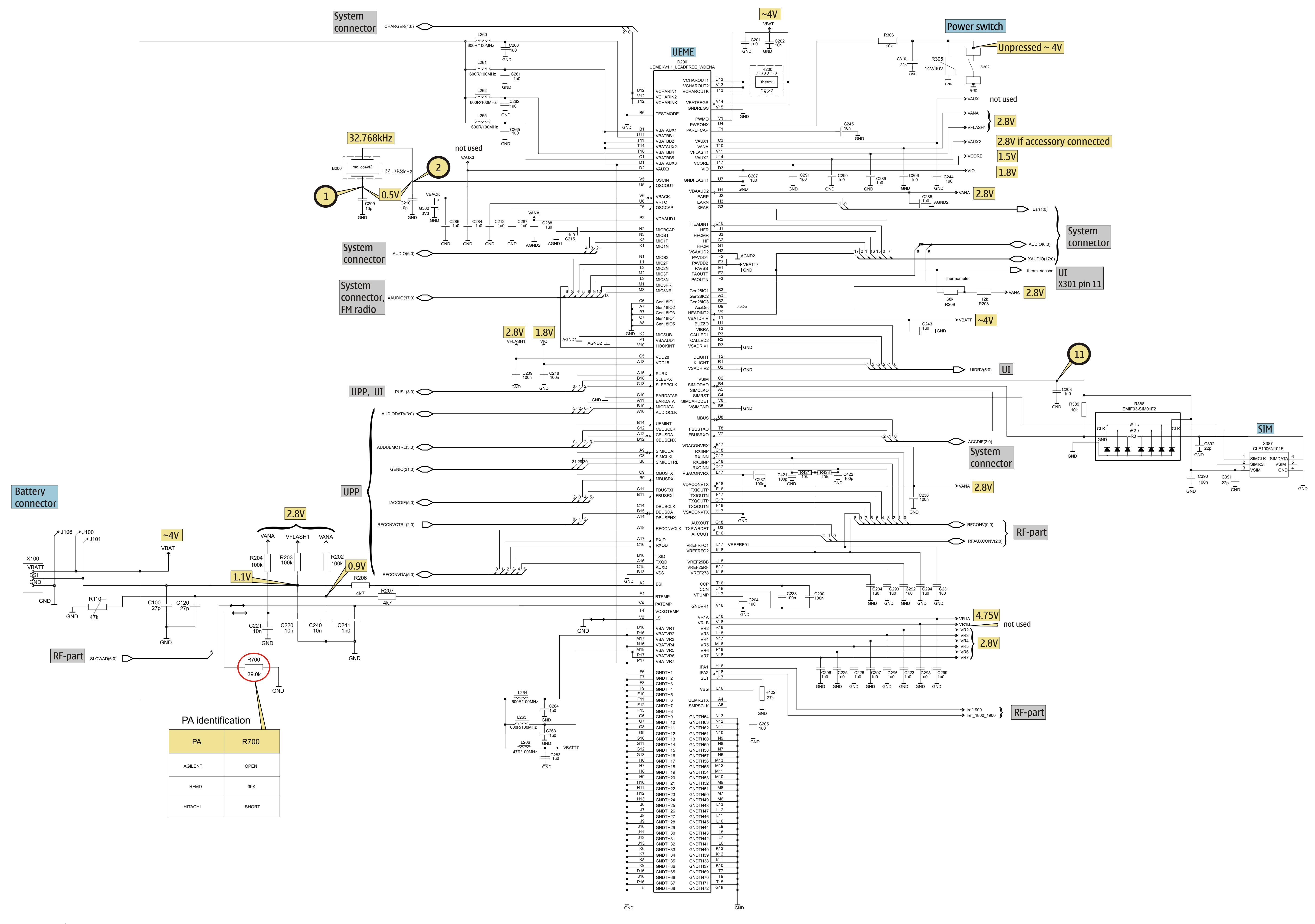


# System connector, Audio

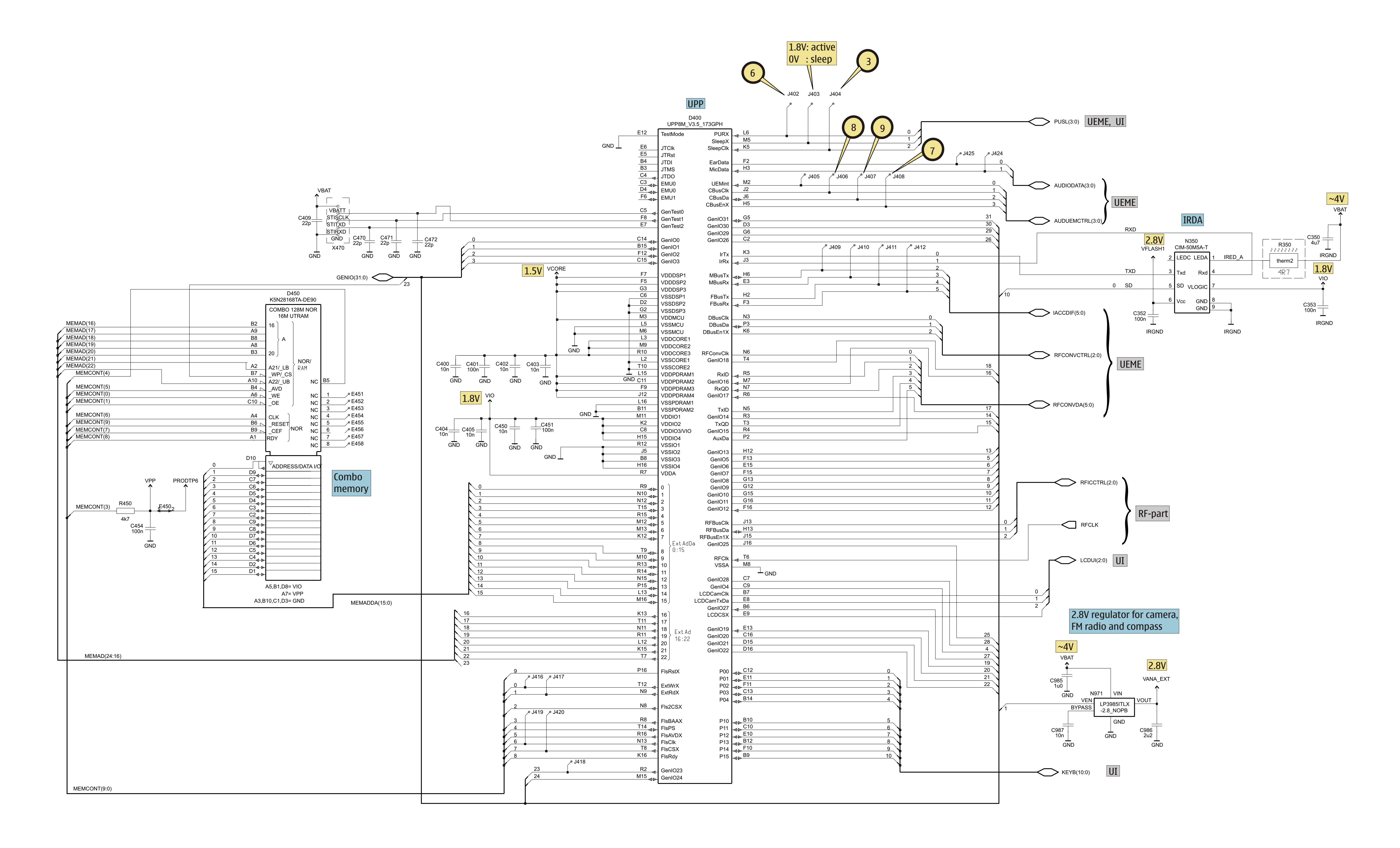


# UEME, SIM

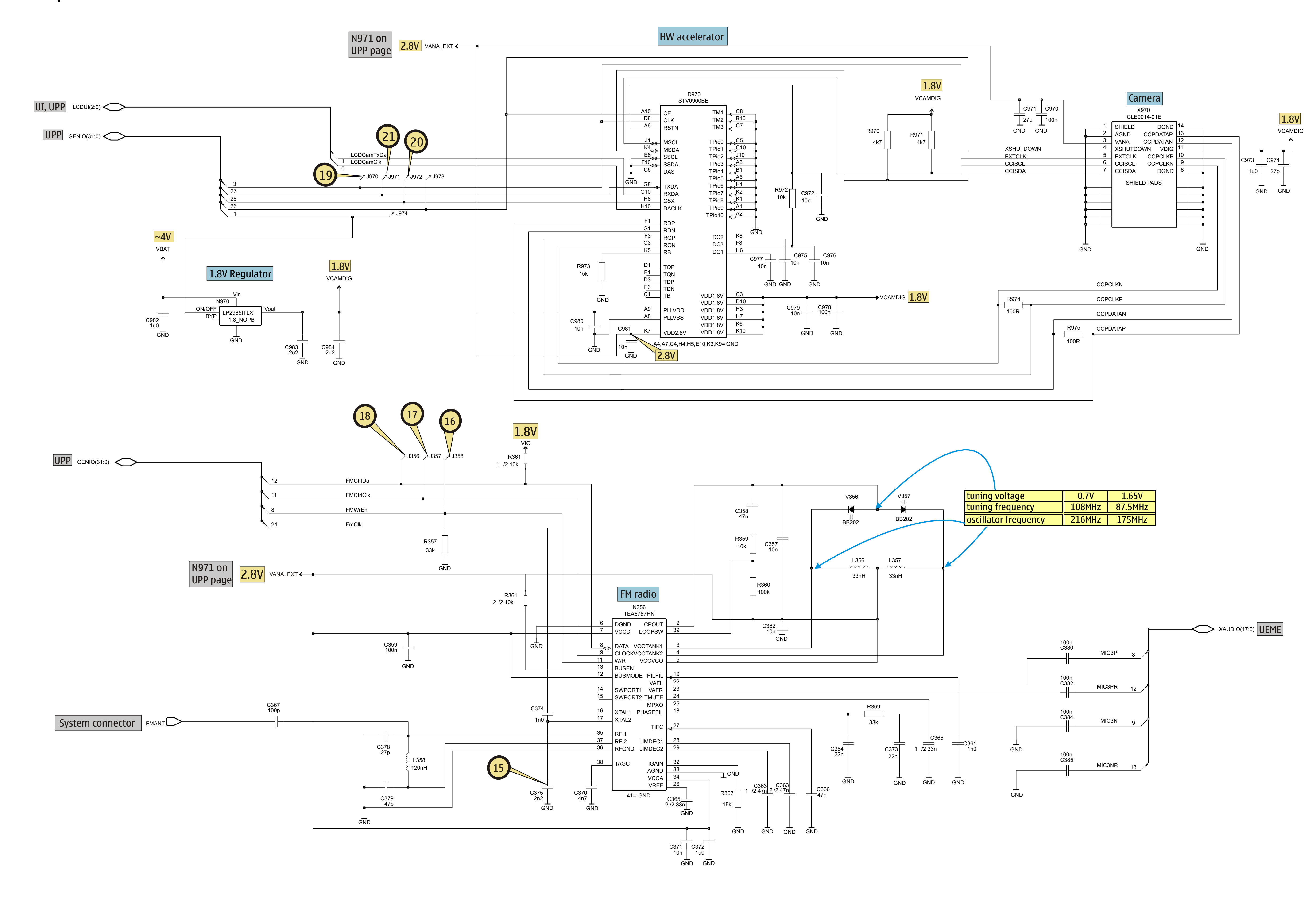



| PA | R700 |
|---|---|
| AGILENT | OPEN |
| RFMD | 39K |
| HITACHI | SHORT |

# UPP, combo memory, IRDA

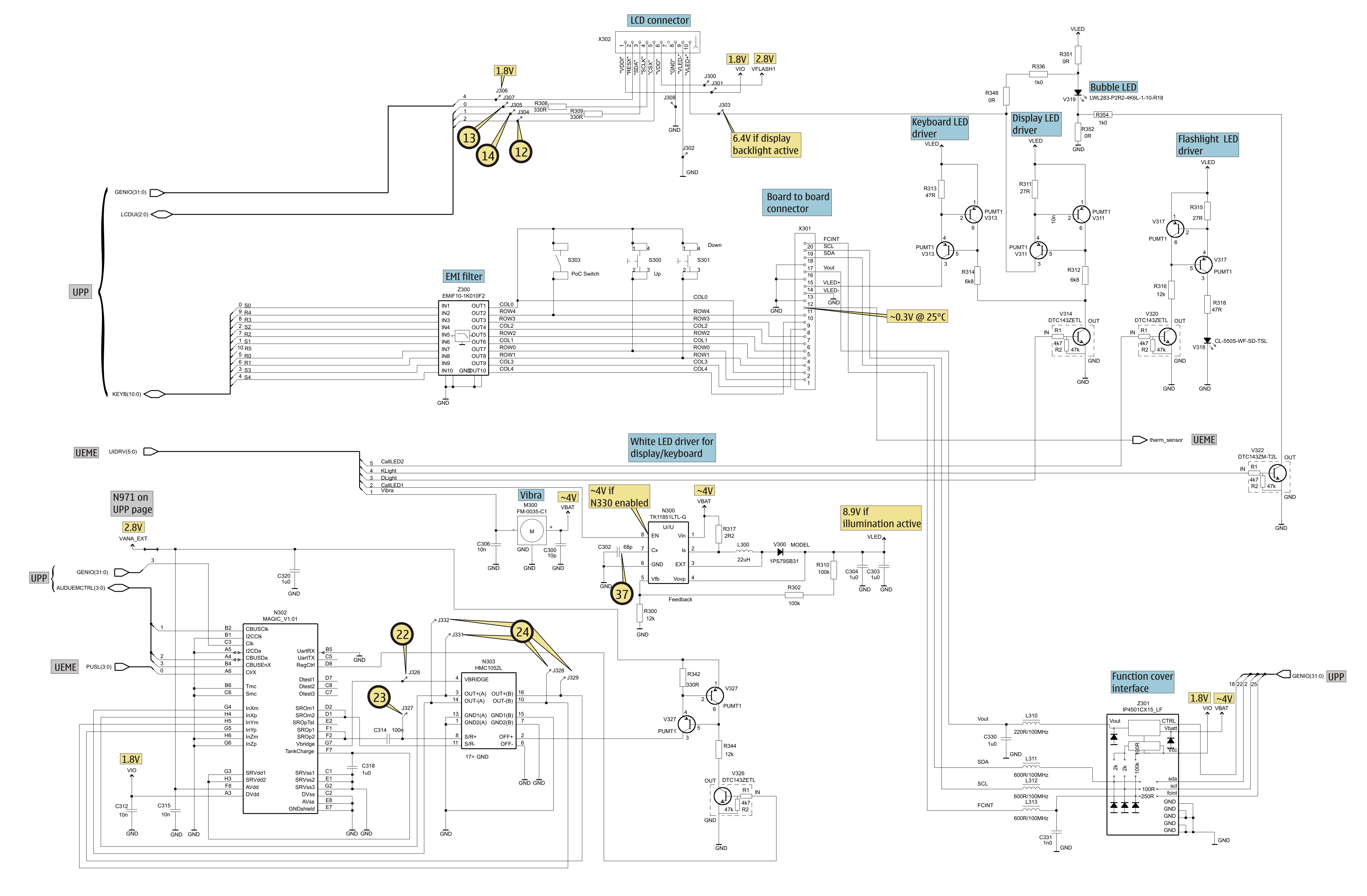


# Camera, FM radio

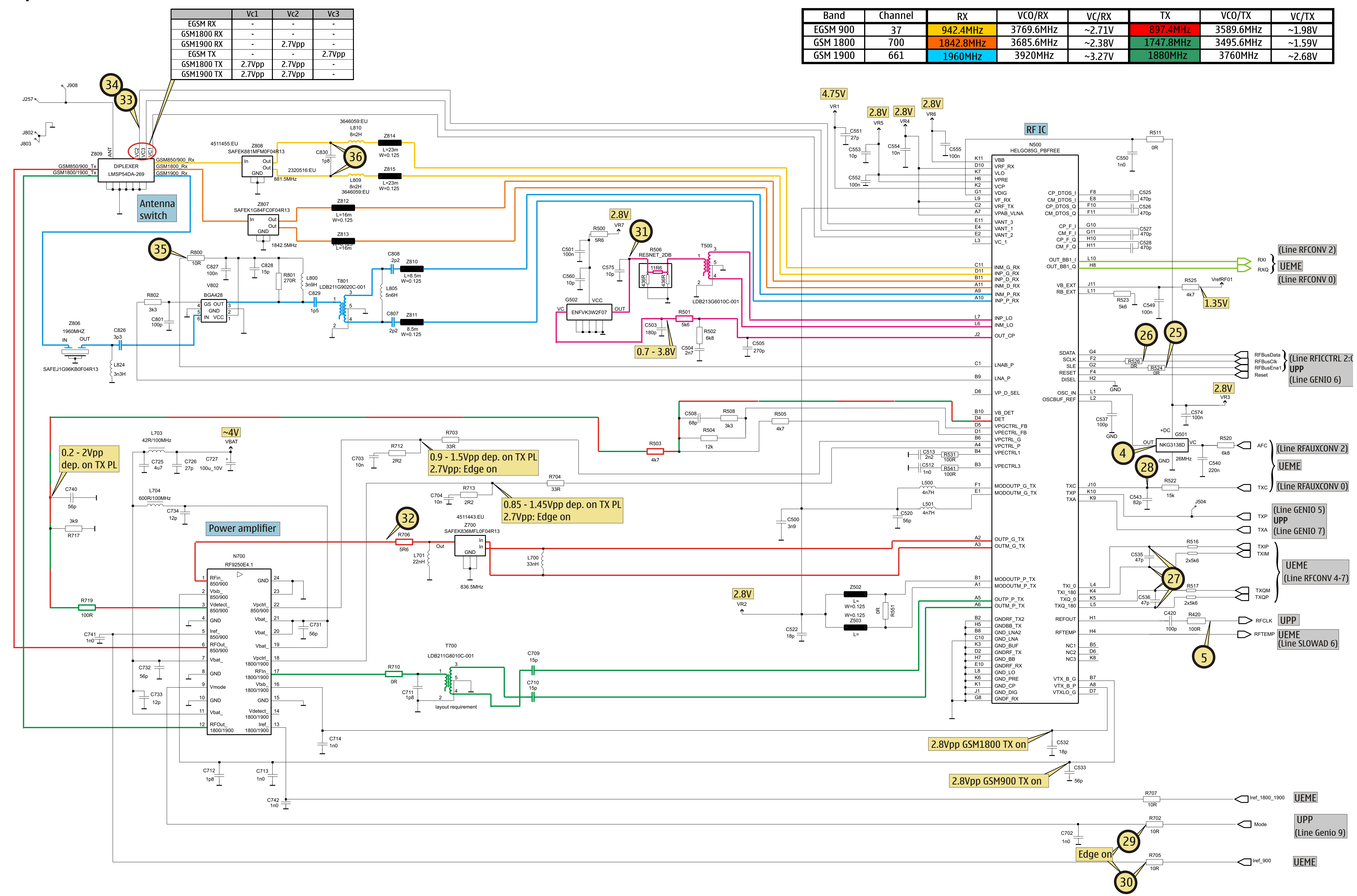



| tuning voltage | 0.7V | 1.65V |
|---|---|---|
| tuning frequency | 108MHz | 87.5MHz |
| oscillator frequency | 216MHz | 175MHz |

# UI, Vibra


LCD connector
Bubble LED
Keyboard LED driver
Display LED driver
Flashlight LED driver
6.4V if display backlight active
Board to board connector
EMI filter
~0.3V @ 25°C
White LED driver for display/keyboard
UPP
UEME
N971 on UPP page
Vibra
~4V if N330 enabled
8.9V if illumination active
Function cover interface
1.8V
2.8V
~4V

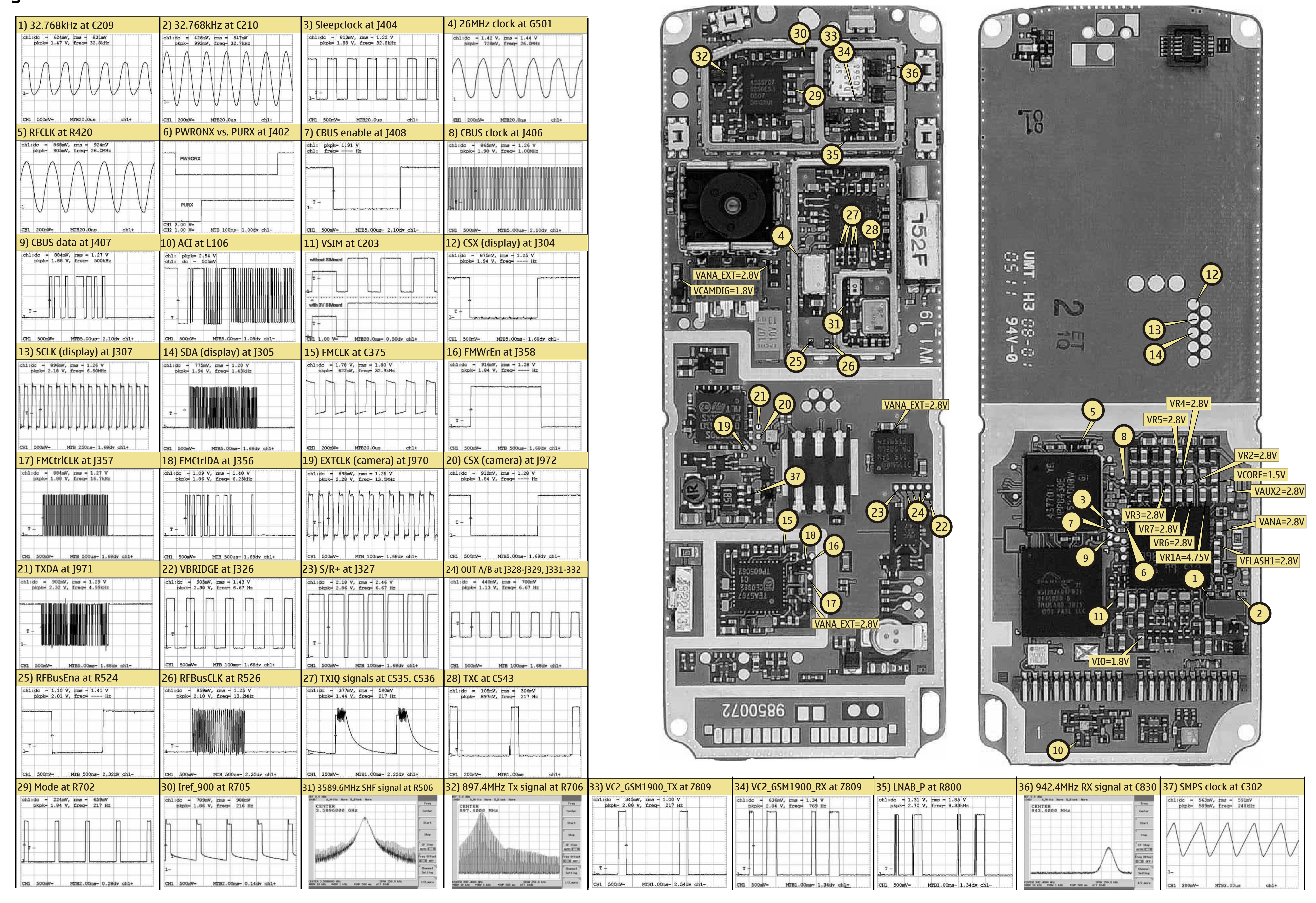
# RF-part



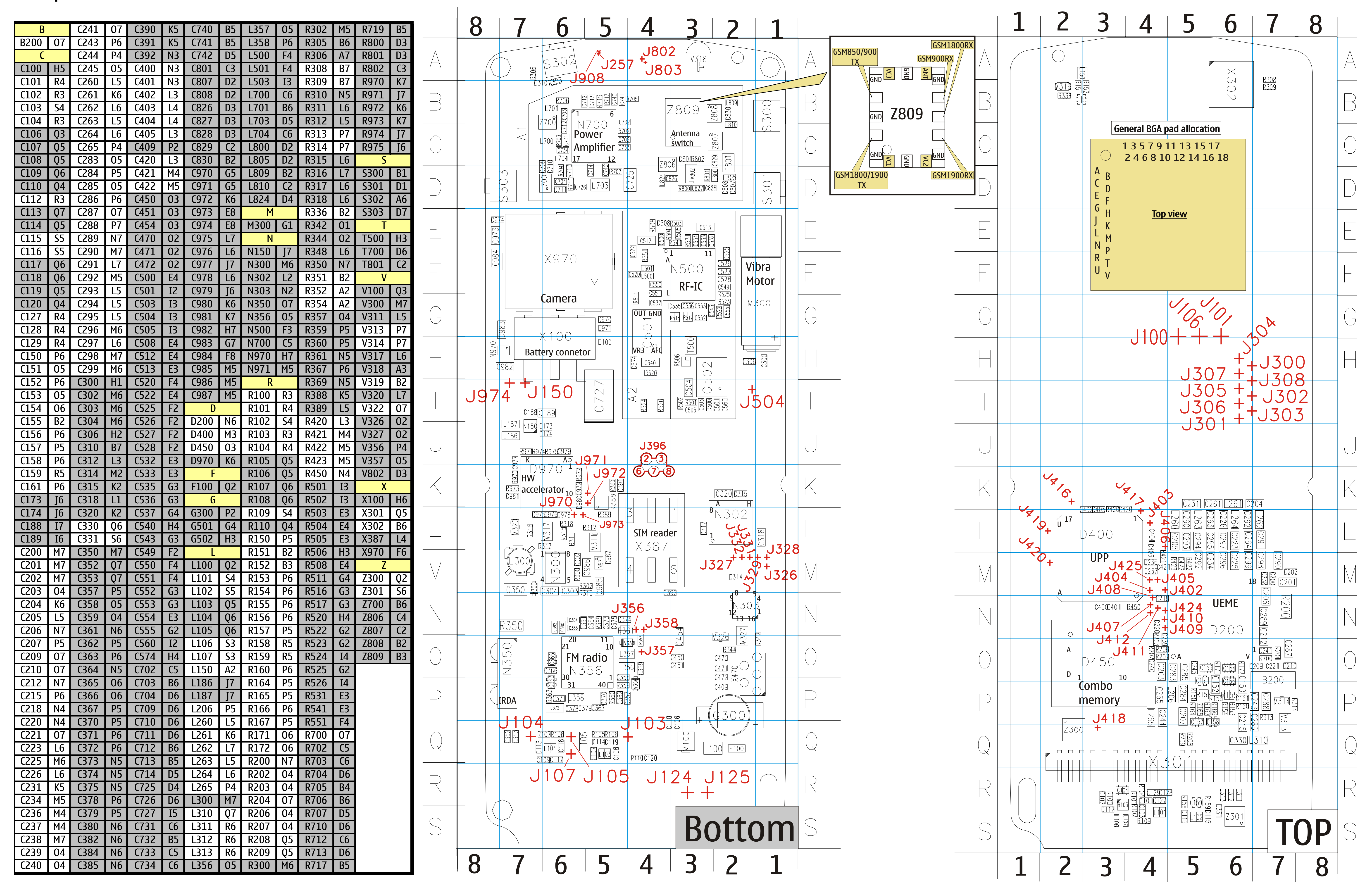

|  | Vc1 | Vc2 | Vc3 |
|---|---|---|---|
| EGSM RX | - | - | - |
| GSM1800 RX | - | - | - |
| GSM1900 RX | - | 2.7Vpp | - |
| EGSM TX | - | - | 2.7Vpp |
| GSM1800 TX | 2.7Vpp | 2.7Vpp | - |
| GSM1900 TX | 2.7Vpp | 2.7Vpp | - |

| Band | Channel | RX | VCO/RX | VC/RX | TX | VCO/TX | VC/TX |
|---|---|---|---|---|---|---|---|
| EGSM 900 | 37 | 942.4MHz | 3769.6MHz | ~2.71V | 897.4MHz | 3589.6MHz | ~1.98V |
| GSM 1800 | 700 | 1842.8MHz | 3685.6MHz | ~2.38V | 1747.8MHz | 3495.6MHz | ~1.59V |
| GSM 1900 | 661 | 1960MHz | 3920MHz | ~3.27V | 1880MHz | 3760MHz | ~2.68V |

# Signal overview



# Component finder



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B | | C241 | O7 | C390 | K5 | C740 | B5 | L357 | O5 | R302 | M5 | R719 | B5 |
| B200 | O7 | C243 | P6 | C391 | K5 | C741 | B5 | L358 | P6 | R305 | B6 | R800 | D3 |
| C | | C244 | P4 | C392 | N3 | C742 | D5 | L500 | F4 | R306 | A7 | R801 | D3 |
| C100 | H5 | C245 | O5 | C400 | N3 | C801 | C3 | L501 | F4 | R308 | B7 | R802 | C3 |
| C101 | R4 | C260 | L5 | C401 | N3 | C807 | D2 | L503 | I3 | R309 | B7 | R970 | K7 |
| C102 | R3 | C261 | K6 | C402 | L3 | C808 | D2 | L700 | C6 | R310 | N5 | R971 | J7 |
| C103 | S4 | C262 | L6 | C403 | L4 | C826 | D3 | L701 | B6 | R311 | L6 | R972 | K6 |
| C104 | R3 | C263 | L5 | C404 | L4 | C827 | D3 | L703 | D5 | R312 | L5 | R973 | K7 |
| C106 | Q3 | C264 | L6 | C405 | L3 | C828 | D3 | L704 | C6 | R313 | P7 | R974 | J7 |
| C107 | Q5 | C265 | P4 | C409 | P2 | C829 | C2 | L800 | D2 | R314 | P7 | R975 | J6 |
| C108 | Q5 | C283 | O5 | C420 | L3 | C830 | B2 | L805 | D2 | R315 | L6 | S | |
| C109 | Q6 | C284 | P5 | C421 | M4 | C970 | G5 | L809 | B2 | R316 | L7 | S300 | B1 |
| C110 | Q4 | C285 | O5 | C422 | M5 | C971 | G5 | L810 | C2 | R317 | L6 | S301 | D1 |
| C112 | R3 | C286 | P6 | C450 | O3 | C972 | K6 | L824 | D4 | R318 | L6 | S302 | A6 |
| C113 | Q7 | C287 | O7 | C451 | O3 | C973 | E8 | M | | R336 | B2 | S303 | D7 |
| C114 | Q5 | C288 | P7 | C454 | O3 | C974 | E8 | M300 | G1 | R342 | O1 | T | |
| C115 | S5 | C289 | N7 | C470 | O2 | C975 | L7 | N | | R344 | O2 | T500 | H3 |
| C116 | S5 | C290 | M7 | C471 | O2 | C976 | L6 | N150 | J7 | R348 | L6 | T700 | D6 |
| C117 | Q6 | C291 | L7 | C472 | O2 | C977 | J7 | N300 | M6 | R350 | N7 | T801 | C2 |
| C118 | Q6 | C292 | M5 | C500 | E4 | C978 | L6 | N302 | L2 | R351 | B2 | V | |
| C119 | Q5 | C293 | L5 | C501 | I2 | C979 | J6 | N303 | N2 | R352 | A2 | V100 | Q3 |
| C120 | Q4 | C294 | L5 | C503 | I3 | C980 | K6 | N350 | O7 | R354 | A2 | V300 | M7 |
| C127 | R4 | C295 | L5 | C504 | I3 | C981 | K7 | N356 | O5 | R357 | O4 | V311 | L5 |
| C128 | R4 | C296 | M6 | C505 | I3 | C982 | H7 | N500 | F3 | R359 | P5 | V313 | P7 |
| C129 | R4 | C297 | L6 | C508 | E4 | C983 | G7 | N700 | C5 | R360 | P5 | V314 | P7 |
| C150 | P6 | C298 | M7 | C512 | E4 | C984 | F8 | N970 | H7 | R361 | N5 | V317 | L6 |
| C151 | O5 | C299 | M6 | C513 | E3 | C985 | M5 | N971 | M5 | R367 | P6 | V318 | A3 |
| C152 | P6 | C300 | H1 | C520 | F4 | C986 | M5 | R | | R369 | N5 | V319 | B2 |
| C153 | O5 | C302 | M6 | C522 | E4 | C987 | M5 | R100 | R3 | R388 | K5 | V320 | L7 |
| C154 | O6 | C303 | M6 | C525 | F2 | D | | R101 | R4 | R389 | L5 | V322 | O7 |
| C155 | B2 | C304 | M6 | C526 | F2 | D200 | N6 | R102 | S4 | R420 | L3 | V326 | O2 |
| C156 | P6 | C306 | H2 | C527 | F2 | D400 | M3 | R103 | R3 | R421 | M4 | V327 | O2 |
| C157 | P5 | C310 | B7 | C528 | F2 | D450 | O3 | R104 | R4 | R422 | M5 | V356 | P4 |
| C158 | P6 | C312 | L3 | C532 | E3 | D970 | K6 | R105 | Q5 | R423 | M5 | V357 | O5 |
| C159 | R5 | C314 | M2 | C533 | E3 | F | | R106 | Q5 | R450 | N4 | V802 | D3 |
| C161 | P6 | C315 | K2 | C535 | G3 | F100 | Q2 | R107 | Q6 | R501 | I3 | X | |
| C173 | J6 | C318 | L1 | C536 | G3 | G | | R108 | Q6 | R502 | I3 | X100 | H6 |
| C174 | J6 | C320 | K2 | C537 | G4 | G300 | P2 | R109 | S4 | R503 | E3 | X301 | Q5 |
| C188 | I7 | C330 | Q6 | C540 | H4 | G501 | G4 | R110 | Q4 | R504 | E4 | X302 | B6 |
| C189 | I6 | C331 | S6 | C543 | G3 | G502 | H3 | R150 | P5 | R505 | E3 | X387 | L4 |
| C200 | M7 | C350 | M7 | C549 | F2 | L | | R151 | B2 | R506 | H3 | X970 | F6 |
| C201 | M7 | C352 | Q7 | C550 | F4 | L100 | Q2 | R152 | B3 | R508 | E4 | Z | |
| C202 | M7 | C353 | Q7 | C551 | F4 | L101 | S4 | R153 | P6 | R511 | G4 | Z300 | Q2 |
| C203 | O4 | C357 | P5 | C552 | G3 | L102 | S5 | R154 | P6 | R516 | G3 | Z301 | S6 |
| C204 | K6 | C358 | O5 | C553 | G3 | L103 | Q5 | R155 | P6 | R517 | G3 | Z700 | B6 |
| C205 | L5 | C359 | O4 | C554 | E3 | L104 | Q6 | R156 | P6 | R520 | H4 | Z806 | C4 |
| C206 | N7 | C361 | N6 | C555 | G2 | L105 | Q6 | R157 | P5 | R522 | G2 | Z807 | C2 |
| C207 | P5 | C362 | P5 | C560 | I2 | L106 | S3 | R158 | R5 | R523 | G2 | Z808 | B2 |
| C209 | O7 | C363 | P6 | C574 | H4 | L107 | S3 | R159 | R5 | R524 | I4 | Z809 | B3 |
| C210 | O7 | C364 | N5 | C702 | C5 | L150 | A2 | R160 | P6 | R525 | G2 | | |
| C212 | N7 | C365 | O6 | C703 | B6 | L186 | J7 | R164 | P5 | R526 | I4 | | |
| C215 | P6 | C366 | O6 | C704 | D6 | L187 | J7 | R165 | P5 | R531 | E3 | | |
| C218 | N4 | C367 | P5 | C709 | D6 | L206 | P5 | R166 | P6 | R541 | E3 | | |
| C220 | N4 | C370 | P5 | C710 | D6 | L260 | L5 | R167 | P5 | R551 | F4 | | |
| C221 | O7 | C371 | P6 | C711 | D6 | L261 | K6 | R171 | O6 | R700 | O7 | | |
| C223 | L6 | C372 | P6 | C712 | B6 | L262 | L7 | R172 | O6 | R702 | C5 | | |
| C225 | M6 | C373 | N5 | C713 | B5 | L263 | L5 | R200 | N7 | R703 | C6 | | |
| C226 | L6 | C374 | N5 | C714 | D5 | L264 | L6 | R202 | O4 | R704 | D6 | | |
| C231 | K5 | C375 | N5 | C725 | D4 | L265 | P4 | R203 | O4 | R705 | B4 | | |
| C234 | M5 | C378 | P6 | C726 | D6 | L300 | M7 | R204 | O7 | R706 | B6 | | |
| C236 | M4 | C379 | P5 | C727 | I5 | L310 | Q7 | R206 | O4 | R707 | D5 | | |
| C237 | M4 | C380 | N6 | C731 | C6 | L311 | R6 | R207 | O4 | R710 | D6 | | |
| C238 | M7 | C382 | N6 | C732 | B5 | L312 | R6 | R208 | Q5 | R712 | C6 | | |
| C239 | O4 | C384 | N6 | C733 | C5 | L313 | R6 | R209 | Q5 | R713 | D6 | | |
| C240 | O4 | C385 | N6 | C734 | C6 | L356 | O5 | R300 | M6 | R717 | B5 | | |